UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 9, Line 20, Replace "$(/\nabla \perp \emptyset)$" with -- $(I/\nabla \perp \emptyset)$ --

Col. 9, Line 25, Replace " $\partial \Pi \partial z$ " with -- $\partial I/\partial z$ --

Col. 9, Line 26, Replace " $\partial \Pi \partial z$ " with -- $\partial I/\partial z$ --

Col. 9, Line 33, Replace "$_{195}$" with -- $\perp$ --

Col. 9, Line 39, Replace Subscript "$_{195}$" with -- $\perp$ --

Col. 9, Line 42, Delete " ∂ "

Col. 11, Line 19, Replace "$(I\perp, I\_)$" with -- $(I\perp, -I\_)$ --

Col. 12, Line 6, Delete "$_y$" after ∇

Col. 12, Line 55, Replace "$A_1, A_1, A_3,$" with -- A_1, A_2, A_3 --

Col. 13, Line 27, Replace "$\phi(x, y)=F^{-1}\Omega 1/I_0 F^{-1}\Omega F\{I_{aberrated}(x,y)-1)$" with

-- (20) $\phi(x,y) = F^{-1}\tilde{\Omega}F\dfrac{1}{I_0}F^{-1}\tilde{\Omega}F\{I_{aberrated}(x,y)-1\}$ --

Col. 15, Line 41, Replace "10" with -- I_0 --

Col. 15, Line 46, Replace "dl/dz" with -- dI/dz --

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 6,885,442 B1
APPLICATION NO. : 09/830393
DATED   : April 26, 2005
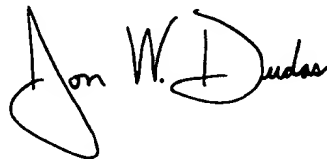INVENTOR(S)   : Anton Barty, David Paganin and Keith Nugent

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 15, Line 47, Replace "dl/dz" with -- dI/dz --

Signed and Sealed this

Seventeenth Day of October, 2006

JON W. DUDAS
Director of the United States Patent and Trademark Office